

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	09/909,574
		Filing Date	July 20, 2001
		First Named Inventor	Frank A. Skraly
		Group Art Unit	1645
		Examiner Name	
Attorney Docket Number	MBX 039		

Sheet 1 of 5

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office. <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
em		WO	00/011188		Metabolix, Inc.	03-02-2000		
ys		WO	99/14313		Metabolix, Inc.	03-25-1999		
yp		WO	98/39453		Monsanto Company	09-11-1998		
ys?		WO	99/61624		Metabolix, Inc.	12-02-1999		

Examine Signature	<i>[Signature]</i>	Date Considered	1.22.03
-------------------	--------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.

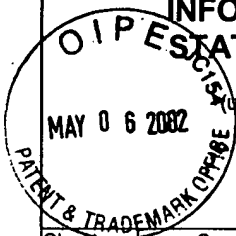
Please type a plus sign (+) inside this box →



PTO/SB/08A (10-96)  
Approved for use through 10/31/99, OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	09/909,574
		Filing Date	July 20, 2001
		First Named Inventor	Frank A. Skraly
		Group Art Unit	1645
		Examiner Name	
Sheet 2 of 5	Attorney Docket Number	MBX 039	



RECEIVED  
 MAY 08 2002  
 TECH CENTER 1600/2900

OTHER ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
yo		BALDOMÁ & AGUILAR, "Involvement of Lactaldehyde dehydrogenase in several metabolic pathways of <i>Escherichia coli</i> K12," <i>J. Biol. Chem.</i> 262:13991-96 (1987).	
yo		BOENIGK, et al., "Fermentation of glycerol to 1,3-propanediol in continuous cultures of <i>Citrobacter freundii</i> ," <i>Appl. Microbiol. Biotechnol.</i> 38:453-57 (1993).	
yo		BRAUNEGG, et al., "Polyhydroxyalkanoates, biopolymers from renewable resources: physiological and engineering aspects," <i>J. Biotechnology</i> 65:127-61 (1998).	
yo		CADWELL, et al., "Randomization of genes by PCR mutagenesis, <i>PCR Methods and Applications</i> 2:28-33 (1992).	
yo		DENNIS, et al., "Formation of poly (3-hydroxybutyrate-co-3-hydroxyhexanoate) by PHA synthesis from <i>Ralstonia eutropha</i> ," <i>J. Biotechnology</i> 64:177-86 (1998).	
yo		DOI, "Microbial Synthesis, Physical Properties, and Biodegradability of Polyhydroxyalkanoates," <i>Macromol. Symp.</i> 98:585-599 (1995).	
yo		DOI, et al., "Biosynthesis and characterization of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in <i>Alcaligenes eutrophus</i> ," <i>Int. J. Biol. Macromol.</i> 12: 106 (1990).	
yo		ERICKSON, et al., "Enhanced biodegradation of polychlorinated biphenys after site-directed mutagenesis of a biphenyl dioxygenase gene," <i>Appl. Environ. Microbiol.</i> 59:3858-62 (1993).	
yo		FORAGE & FOSTER, "Glycerol fermentation in <i>Klebsiella pneumoniae</i> : functions of the coenzyme b12-dependent glycerol and diol dehydratases," <i>J. Bacteriol.</i> 149:413-419 (1982).	
yo		HERMES, et al., "Searching sequence space by definable random mutagenesis: improving the catalytic potency of an enzyme," <i>Proc. Natl. Acad. Sci. USA</i> 87:696-700 (1990).	

Examiner's Signature		Date Considered	1.22.03
----------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



Approved for use through 10/31/99 OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Use as many sheets as necessary)		Application Number	09/909,574
		Filing Date	July 20, 2001
		First Named Inventor	Frank A. Skraly
		Group Art Unit	1645
		Examiner Name	
Attorney Docket Number	MBX 039		

OTHER ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
YB		HIRAMITSU, et al., "Production of Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) by <i>Alcaligenes Latus</i> ," <i>Biotechnol. Lett.</i> 15:461 (1993).	
YB		HO, et al., "Site-directed mutagenesis by overlap extension using the polymerase chain reaction," <i>Gene</i> 77:51-59 (1989).	
YB		HOMANN, et al., "Fermentation of glycerol to 1,3-propanediol by <i>Klebsiella</i> and <i>Citrobacter</i> strains," <i>Appl. Microbiol. Biotechnol.</i> 33:121-26 (1990).	
YB		JOHNSON & LIN, " <i>Klebsiella pneumoniae</i> 1,3-propanediol:NAD <sup>+</sup> oxidoreductase," <i>J. Bacteriol.</i> 169:2050-54 (1987).	
YB		KELLOG, et al., "Plasmid-assisted molecular breeding: new techniques for enhanced biodegradation of persistent toxic chemicals," <i>Science</i> 214:1133-35 (1981).	
YB		KIMURA, et al., "Production of Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) by <i>Pseudomonas Acidovorans</i> ," <i>Biotechnol. Lett.</i> 14:445 (1992).	
YB		KUNIOKA, et al., "New bacterial copolyesters produced in <i>Alcaligenes eutrophus</i> from organic acids," <i>Polym. Commun.</i> 29:174 (1988).	
YB		MADISON & HUISMAN, "Metabolic engineering of Poly(3-Hydroxyalkanoates): From DNA to Plastic," <i>Microbiology and Molecular Biology Reviews</i> 63:21-53 (1999).	
YB		MORGAN, "The rapidly changing world of 1,4-butanediol," <i>Chemistry &amp; Industry</i> , pp. 166-88 (1997).	
YB		NAKAMURA, et al., "Microbial synthesis and characterization of poly(3-hydroxybutyrate-co-4-hydroxybutyrate)," <i>Macromol.</i> 25:4237-41 (1992).	

Examiner's Signature		Date Considered	7.22.03
----------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	09/909,574
		Filing Date	July 20, 2001
		First Named Inventor	Frank A. Skraly
		Group Art Unit	1645
		Examiner Name	
Sheet 4 of 5	Attorney Docket Number	MBX 039	



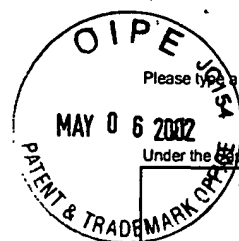
OTHER ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
Ym		REIDHAAR-OLSON, et al., Combinatorial cassette mutagenesis as a probe of the informational content of protein sequences," <i>Science</i> 241:53-57 (1988).	
Ym		SAITO & DOI, "Microbial synthesis and properties of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in <i>Comamonas acidovorans</i> ," <i>Int. J. Biol. Macromol.</i> 16:99 (1994).	
Ym		SAITO, et al., "Microbial Synthesis and properties of Poly(3-hydroxybutyrate-co-4-hydroxybutyrate)," <i>Polym. Int.</i> 39:169 (1996).	
Ym		SKRALY, et al., "Construction and characterization of a 1,3-propanediol operon," <i>Appl. Environ. Microbiol.</i> 64:98-105 (1998).	
Ym		SÖHLING & GOTTSCHALK, "Molecular analysis of the anaerobic succinate degradation pathway in <i>Clostridium kluyveri</i> ," <i>J. Bacteriol.</i> 178:871-880 (1996).	
Ym		SPIEKERMANN, et al, "A sensitive, viable-colony staining method using Nile red for direct screening of bacteria that accumulate polyhydroxyalkanoic acids and other lipid storage compounds," <i>Arch Microbiol.</i> 171:73-80 (1999).	
Ym		STEMMER, "DNA shuffling by random fragmentation and reassembly: in vitro recombination for molecular evolution," <i>Proc. Natl. Acad. Sci. USA</i> 91:10747-51 (1994).	
Ym		STEMMER, "Rapid evolution of a protein in vitro by DNA shuffling," <i>Nature</i> 370:389-91 (1994).	
Ym		STREEKSTRA, et al., "Overflow metabolism during anaerobic growth of <i>Klebsiella aerogenes</i> NCTC 418 on glycerol and dihydroxyacetone in chemostat culture," <i>Arch. Microbiol.</i> 147:268-75 (1987).	
Ym		VALENTIN, et al., "Identification of 4-hydroxyhexanoic acid as a new constituent of biosynthetic polyhydroxyalkanoic acids from bacteria," <i>Appl. Microbiol. Biotechnol.</i> 40:710-16 (1994).	

Examiner's Signature	<i>Ym</i>	Date Considered	1.22.03
----------------------	-----------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box →



PTO/SB/08A (10-96)  
Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

### Complete if Known

Application Number	09/909,574
Filing Date	July 20, 2001
First Named Inventor	Frank A. Skraly
Group Art Unit	1645
Examiner Name	
Attorney Docket Number	MBX 039

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>4</sup>
g		VALENTIN, et al., "Identification of 4-hydroxyvaleric acid as a constituent of biosynthetic polyhydroxyalkanoic acids from bacteria," <i>Appl. Microbiol. Biotechnol.</i> 36:507-14 (1992).	
g		VAN BEILEN, et al., "DAN sequence determination and functional characterization of the OCT-plasmid-encoded <i>alkJKL</i> genes of <i>Pseudomonas oleovorans</i> ," <i>Mol. Microbiol.</i> 6: 3121-36 (1992).	
g		VASILIOU, et al., "Eukaryotic aldehyde dehydrogenase (ALDH) genes: human polymorphisms, and recommended nomenclature based on divergent evolution and chromosomal mapping," <i>Pharmacogenetics</i> 9:421-34 (1999).	

Examiner's Signature		Date Considered	1-22-03
----------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Stamp: OIPE JC59  
15 01 2002  
OFFICE  
re required to respond to a collection  
petroleum products

U. S. DEPARTMENT OF COMMERCE  
RECEIVED

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

(use as many sheets as necessary)

**Complete if Known**

AUG 06 2002

Application Number

09/909,574

TECH CENTER 1600/2900

Filing Date

July 20, 2001

First Named Inventor

**Frank A. Skraly**

### Group Art Unit

1645

**Examiner Name**

Attorney Docket Number

MBX 039

[illegible][illegible]

**Examine  
Signature**

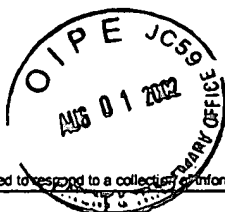
<b>Date Considered</b>
------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commissioner for Patent, Washington, DC 20231.

Please type a plus sign (+) inside this box →



COPY OF PAPERS  
ORIGINALLY FILED

Approved for use through 10/31/99. OMB 65-00031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete If Known			
		RECEIVED AUG 06 2002 TECH CENTER 1600/2900			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)		Application Number	09/909,574		
		Filing Date	July 20, 2001		
		First Named Inventor	Frank A. Skraly		
		Group Art Unit	1645		
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	MBX 039

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
gn		DAINIEL, et al., "Purification of 1,3-Propanediol dehydrogenase from <i>Citrobacter freundii</i> and cloning, sequence, and overexpression of the corresponding gene in <i>E. coli</i> ," <i>Journal of Bacteriology</i> 177(8):2151-2156 (1995).	
gn		HILJANEN-VAINO, et al., "Biodegradable lactone copolymers. I. Characterization and mechanical behavior of ε-caprolactone and lactide copolymers," <i>Journal of Applied Polymer Science</i> 59(8):1281-88 (1996).	
gn		STEINBUCHER & VALENTIN, "Diversity of bacterial polyhydroxyalkanoic acids," <i>FEMS Microbiology Letters</i> 128:219-228 (1995).	

Examiner's Signature		Date Considered	1.22.03
----------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449A/PTO


Application Number	09/909,574
--------------------	------------

<b>Filing Date</b>	<b>July 20, 2001</b>
<b>First Named Inventor</b>	<b>Frank A. Skraly</b>
<b>Group Art Unit</b>	<b>1652</b>
<b>Examiner Name</b>	<b>Yong . Pak</b>
<b>Attorney Docket Number</b>	<b>MBX 039</b>

Sheet	1	of	2
-------	---	----	---

[illegible]

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office. <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
gn		GB	1 123 445		Du Pont	08-14-1968		
ch		JP	05 342903		Mitsui Toatsu Chem, Inc.	12-24-1993		
gn		JP	06 016790		Toyobo Co. Ltd.	01-25-1994		
gn		JP	06 304253		Mitsui Toatsu Chem, Inc.	03-31-1995		
gn		JP	08 226016		Mitsubishi Rayon Co. Ltd.	01-31-1997		

Examine Signature		Date Considered	1.22.03
----------------------	---	-----------------	---------

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.





+

(use as many sheets as necessary)

Application Number

09/909,574

**Filing Date**

**July 20, 2001**

**First Named Inventor**

Frank A. Skraly
-----------------

### Group Art Unit

1652

**Examiner Name**

**Yong D. Pak**

Attorney Docket Number

**MBX 039**

Sheet	2	of	2
-------	---	----	---

## Examiner's Initials\*

Cite  
No. 1

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

T<sup>4</sup>

48

KRICHELDORF, et al., "Polylactones. 1. Copolymerization of Glycolide and Epsilon-Caprolactone" *Macromolecules* 17: 2173-2181 (1984).

RECEIVED

NOV 29 2002

TECH CENTER 1600/2900

Examiner's  
Signature

Date Considered
-----------------

1.22 DZ

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.